

MRI SYSTEM UTILIZING SUPPLEMENTAL STATIC FIELD-SHAPING COILS

Abstract

A magnetic resonance imaging system (10) includes a superconducting magnet (14) that generates a static magnetic field. A gradient coil assembly (50) with an associated patient bore enclosure (18) and a gradient coil (52) that generates a gradient magnetic field in the patient bore (18). A static field-shaping coil (11) resides between the superconducting magnet (14) and the patient bore (18) and supplements the static magnetic field.